Foot Switch Assembly, Front

Figure 5-28. Foot Switch Assembly, Front

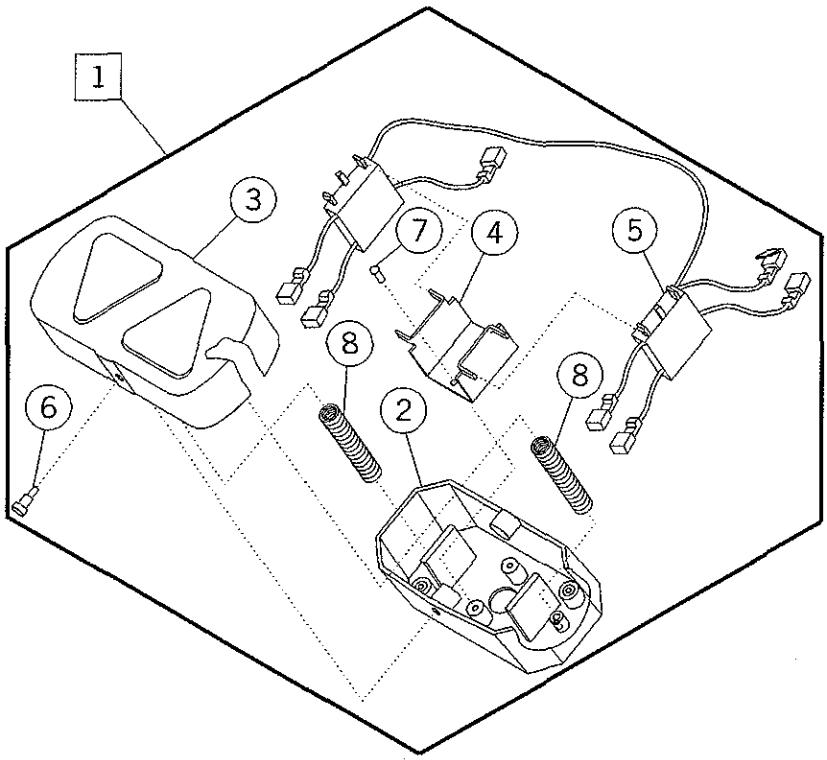

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Table 5-28. Foot Switch Assembly, Front

Item Number	Part Number	Quantity	Description
1	83 401 50-R	1	Foot switch assembly front
2	83 400 12	1	Housing, foot switch
3	83 400 11	1	Cover, foot switch
4	83 400 07	1	Bracket, switch retainer
5	83 401 40	1	Wiring assembly, foot switch, front
6	99 195 03	2	Screw, shoulder, 0.187" diameter, ¼" long, #8-32, nylock
7	99 010 67	2	Screw, #4-40 x ¼" truss phillips nylock
8	83 400 08	2	Spring, compression, 0.42" outer diameter, 0.51" wide, 2½" long

Foot Switch Assembly, Rear

Figure 5-29. Foot Switch Assembly, Rear

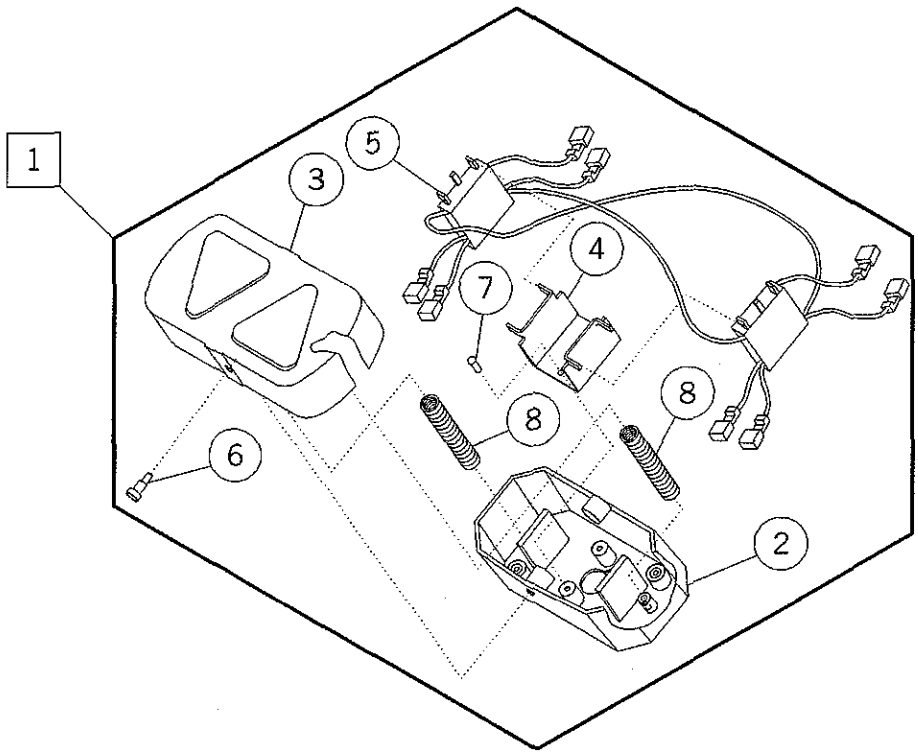

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Table 5-29. Foot Switch Assembly, Rear

Item Number	Part Number	Quantity	Description
1	83 401 55-R	1	Foot switch assembly rear
2	83 400 12	1	Housing, foot switch
3	83 400 11	1	Cover, foot switch
4	83 400 07	1	Bracket, switch retainer
5	83 401 45	1	Wiring assembly, foot switch, rear
6	99 195 03	2	Screw, shoulder, 0.187" diameter, ¼" long, #8-32, nylock
7	99 010 67	2	Screw, #4-40 x ¼" truss phillips nylock
8	83 400 08	2	Spring, compression, 0.42" outer diameter, 0.51" wide, 2½" long

Check Valve Assembly

Figure 5-30. Check Valve Assembly

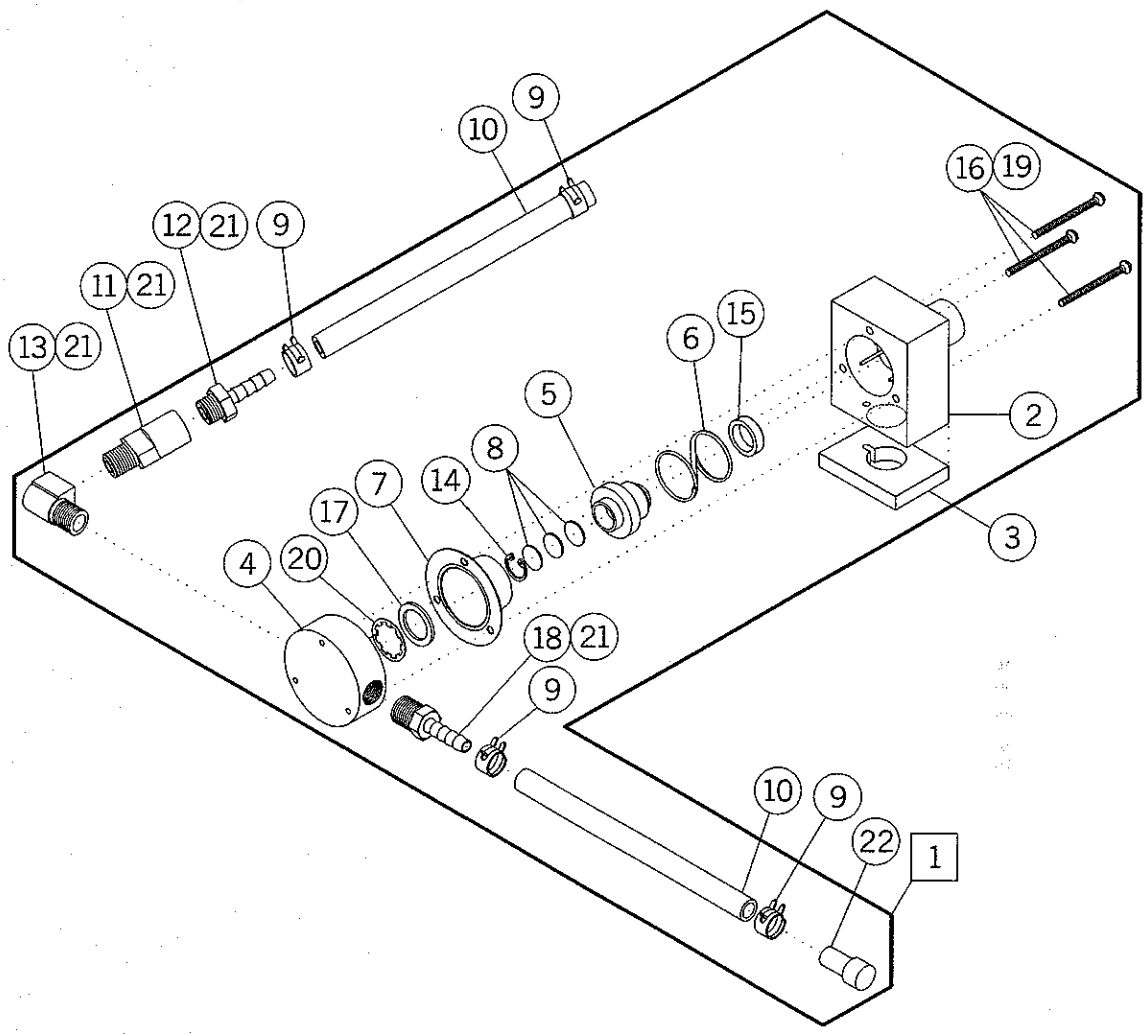

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Table 5-30. Check Valve Assembly

Item Number	Part Number	Quantity	Description
1	83 900 16	1	Replacement kit, check valve assembly
2	83 120 21	1	Body assembly, check valve
3	83 120 16	1	Gasket, body, check valve
4	83 120 10	1	Base, check valve
5	83 120 13	1	Piston, check valve
6	83 120 12	1	Spring, compression, 1.04" outer diameter, 0.4" wide, 1" long
7	68 130 57	1	Diaphragm
8	12 360 00	3	Filter disc
9	83 620 64	4	Clamp, hose, 0.46" outer diameter, 0.545" inner diameter
10	83 620 68	18" (46 cm)	Sound coat, mounting plate
11	78 467 16	1	Check valve, ¼", female in, male out
12	07 023 00	1	Coupling, ¼" hose
13	67 355 30	1	Street elbow, 90°, ¼"
14	99 182 82	1	Ring, retaining, internal, ½" diameter
15	83 120 14	1	Seal, piston, check valve
16	99 026 18	3	Screw, #6-32 x 1¾" phillips
17	68 130 51	1	Washer, flat, 0.628" inner diameter, 0.88" outer diameter, 0.06" thick
18	01 017 00	1	Connector, barb, ¼" hose x 1/8"
19	Reference only	As required	Loctite®[a] adhesive #222
20	99 182 93	1	Ring, retaining
21	Reference only	As required	Teflon®[b] tape
22	83 120 06	1	Plug, ¼" inner diameter hose, 1.00" long

a. Loctite® is a registered trademark of Loctite Corporation.
b. Teflon® is a registered trademark of E. I. du Pont and de Nemours and Company.

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Scale Assembly

Figure 5-31. Scale Assembly

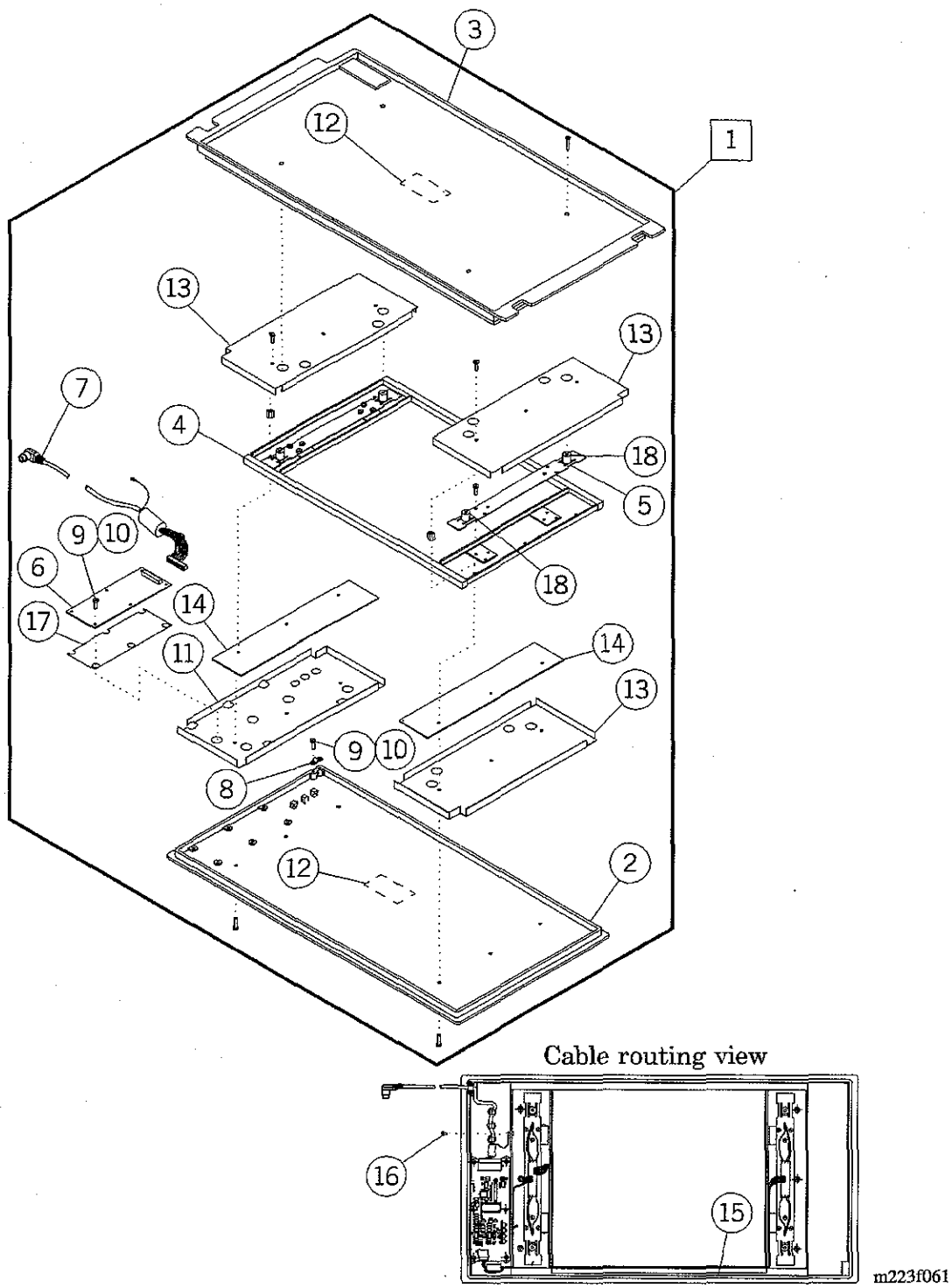

Table 5-31. Scale Assembly

Item Number	Part Number	Quantity	Description
1	83 600 50	1	Scale assembly
2	83 600 51	1	Tray, bottom, scale
3	83 600 52	1	Tray, top, scale
4	83 600 53	1	Subframe, scale
5	83 600 55	1	Load beam, 5 kg
6	83 600 70	1	P.C. board assembly, scale
7	83 600 30	1	Cable assembly, scale
8	83 600 54	1	Clamp, retaining
9	Reference only	As required	Loctite®[a] adhesive #222
10	99 030 69	8	Screw, #8-32 x ¼" truss phillips
11	83 600 56	1	Shield, P.C. board, scale
12	83 500 46	2	Label, bar code
13	83 600 57	3	Shield, scale
14	83 600 58	2	Shield, spacer
15	17 063 12	1	Tape, conductive, copper, 1" wide
16	99 022 83	1	Screw, #6-32 x ¼" pan phillips, sems
17	83 600 59	1	Insulator, mylar, 0.014" thick
18	83 600 60	2	Bushing, tab

a. Loctite® is a registered trademark of Loctite Corporation.

Sensor Module P.C. Board Assembly—P/N 83 005 70

Figure 5-32. Sensor Module P.C. Board Assembly—P/N 83 005 70

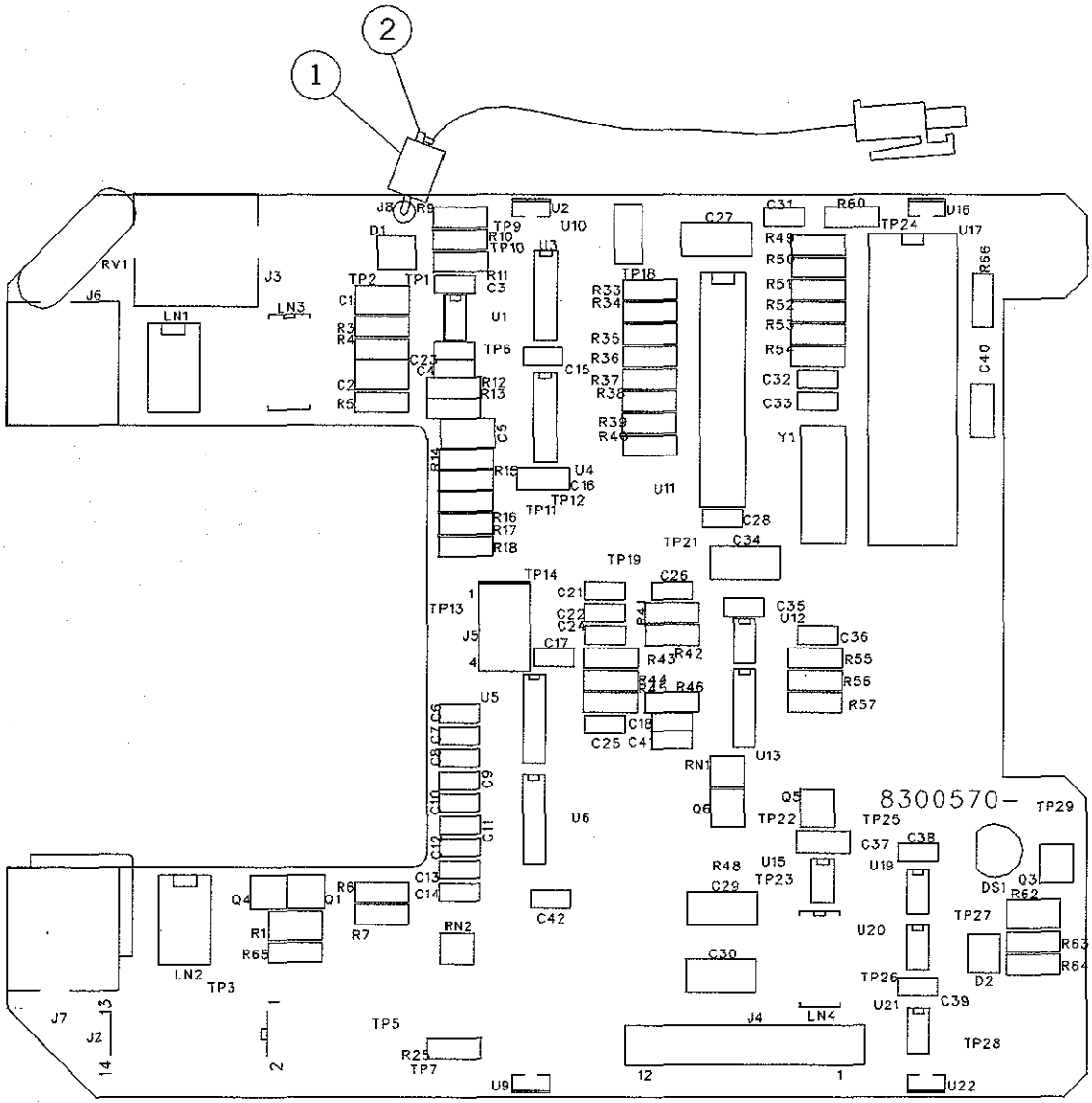

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Table 5-32. Sensor Module P.C. Board Assembly—P/N 83 005 70

Component Symbol	Part Number	Description
C1, C2	Reference only	Capacitor, 0.33 uF, ±10%, 50V
C3, C4, C14, C15, C17, C18, C23, C28, C35, C36, C38, C39, C41	Reference only	Capacitor, 0.1 uF, ±10%, 50V
C5	Reference only	Capacitor, 0.22 uF, ±10%, 50V
C6, C7, C8, C9, C10, C11, C12, C13, C21, C22, C24, C25, C31	Reference only	Capacitor, 0.01 uF, ±10%, 50V
C16, C19, C37, C40	Reference only	Capacitor, 1 uF, +80%/-20%, 16V
C20, C32, C33	Reference only	Capacitor, 33 pf, ±10%, 50 V
C26	Reference only	Capacitor, 0.001 uF, ±10%, 50V
C27, C29, C30, C34	Reference only	Capacitor, 10 uF, ±20%
D1, D2	Reference only	Diode, 0.2A, 100V, Motorola®[a]
DS1	Reference only	Lamp, LED, round, red
J1	Reference only	Connector, right angle
J2	Reference only	Connector, vertical
J3	Reference only	Connector, right angle
J4	Reference only	Connector, vertical
J5	Reference only	Connector, receptacle, male, single
J6, J7	Reference only	Connector, right angle
LN1, LN2	Reference only	Inductor network
LN3, LN4	Reference only	Inductor network
Q1, Q2, Q3, Q4	Reference only	Transistor, N-channel
R1	Reference only	Resistor, 1.21K, ±1%, carbon film
R2, R5, R46	Reference only	Resistor, 100K, ±1%, carbon film
R3, R4, R6, R8, R9, R10, R17, R18, R25, R27, R50, R51, R52, R53, R54, R55, R58, R59, R60, R63, R64, R65	Reference only	Resistor, 10K, ±1%, carbon film

a. Motorola® is a registered trademark of Motorola, Inc.

Component Symbol	Part Number	Description
R7, R31, R33, R34, R35, R36, R37, R38, R39, R40, R47, R49, R57	Reference only	Resistor, 1K, ±1%, carbon film
R11	Reference only	Resistor, 332K, ±1%
R12	Reference only	Resistor, 47.5K, ±1%, carbon film
R13	Reference only	Resistor, 75K, ±1%, carbon film
R14	Reference only	Resistor, 9.09K, ±0.1%, carbon film
R15, R26, R45	Reference only	Resistor, 3.32K, ±0.1%, carbon film
R16	Reference only	Resistor, 49.9Ω, ±0.1%, carbon film
R20	Reference only	Resistor, 82.5K, ±0.1%
R21, R42	Reference only	Resistor, 4.75K, ±1%, carbon film
R23, R24, R43	Reference only	Resistor, 5.62K, ±0.1%, carbon film
R29, R32	Reference only	Resistor, 24.9K, ±1%, carbon film
R30	Reference only	Resistor, 30.1K, ±1%, carbon film
R44	Reference only	Resistor, 10K, ±1%, carbon film
R41	Reference only	Resistor, 287K, ±1%, carbon film
R56	Reference only	Resistor, 3.32Ω, ±1%, carbon film
U1, U12	Reference only	Integrated circuit
U2, U9, U16, U22	Reference only	Integrated circuit, hall-effect sensor
U3	Reference only	Integrated circuit, dual 4 to 1 data selector, Motorola®[a]
U4, U5, U6	Reference only	Integrated circuit, 1 of 8, analog, Motorola®
U7	Reference only	Integrated circuit, comparator
U8	Reference only	Integrated circuit, comparator
U10	Reference only	Integrated circuit, reset
U11	Reference only	Integrated circuit, 12 bit
U13, U14	Reference only	Integrated circuit, dual line driver, open collector
U15	Reference only	Integrated circuit, volt regulator, -5V, 0.1mA, Motorola®

a. Motorola® is a registered trademark of Motorola, Inc.

Component Symbol	Part Number	Description
U17	Reference only	Integrated circuit, U-controller, 8-bit microchip
U18	Reference only	Integrated circuit, optocoupler
U19, U21	Reference only	Integrated circuit, volt regulator, 5V, 0.1 mA, Motorola®[a]
U20	Reference only	Integrated circuit, 5V
Y1	Reference only	Crystal, 4 mHz
Not shown	83 005 25	Firmware, sensor module
Not shown	Reference only	Integrated circuit, socket, 28 pin, 0.3" wide
Not shown	Reference only	Resistor, 150K, ±1%
Not shown	Reference only	Resistor, 449Ω, ±1%, carbon film
Not shown	Reference only	Varistor, 10 mm 250V semiconductor
Not shown	Reference only	Transistor, signal light on

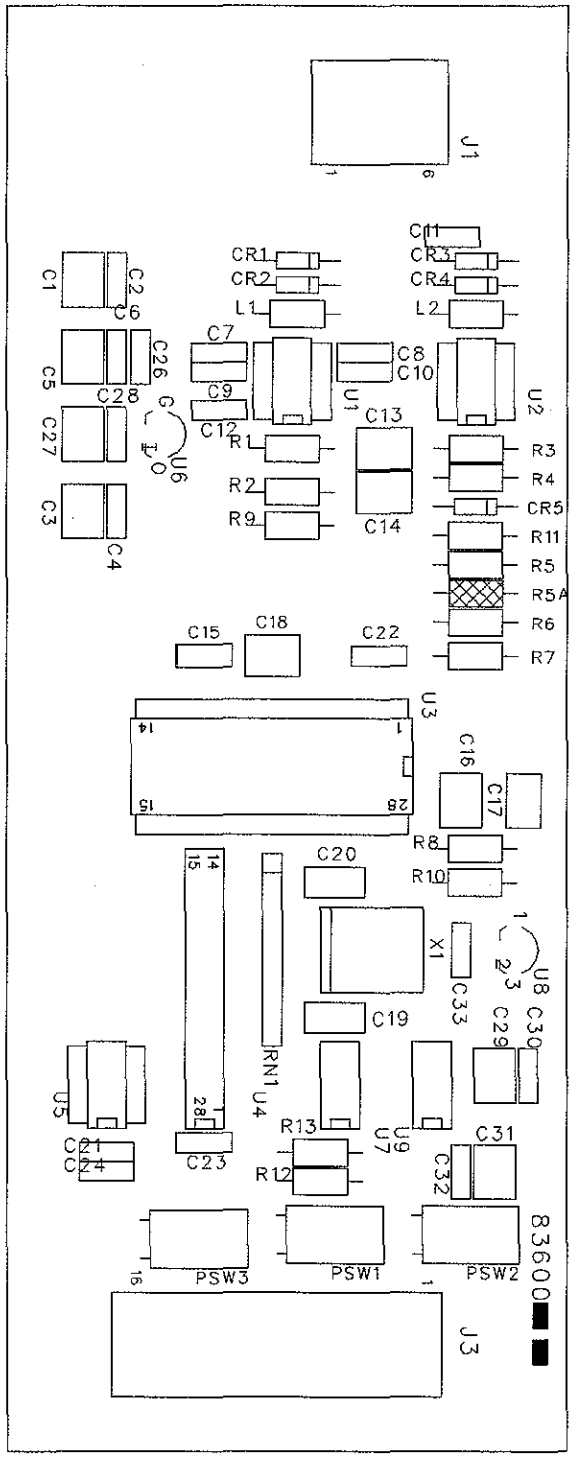
a. Motorola® is a registered trademark of Motorola, Inc.

Table 5-33. Sensor Module P.C. Board Assembly—P/N 83 005 70

Item Number	Part Number	Quantity	Description
1	Reference only	1	Ferrite
2	Reference only	1	Washer tie 4½" long

Scale P.C. Board Assembly—P/N 83 600 70

Figure 5-33. Scale P.C. Board Assembly—P/N 83 600 70



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